

INTERNATIONAL SEARCH REPORT

International Application No

PCT/ZA 03/00182

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F41A25/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F41A

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 168 049 A (PERITT HARVEY L) 18 September 1979 (1979-09-18) the whole document	1,2,8, 11-17
A	US 4 483 235 A (HALLQVIST STEN) 20 November 1984 (1984-11-20) column 2, line 49 -column 3, line 26; figures 1,2	1,13-17
A	GB 559 586 A (SPIRITO MARIO VIALE) 25 February 1944 (1944-02-25) the whole document	1,13-17
A	GB 1 099 651 A (SECR DEFENCE) 17 January 1968 (1968-01-17) page 2, line 13-35; figure 1	1,13-17
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

7 April 2004

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16/04/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2 157 406 A (BOFORS AB) 23 October 1985 (1985-10-23) ---	
A	US 4 638 714 A (HEINTZ WOLFGANG ET AL) 27 January 1987 (1987-01-27) -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4168049	A	18-09-1979	NONE	
US 4483235	A	20-11-1984	SE 442912 B CH 659886 A5 DE 3219578 A1 SE 8103297 A	03-02-1986 27-02-1987 30-12-1982 27-11-1982
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